



2634
Jew

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Alan Gatherer, et al.**

Docket No.: **TI-30024**

Serial No.: **09/772,499**

Examiner: **TBD**

Filed: **01/29/2001**

Art Unit: **2634**

For: **MAP Decoding With Parallelized Sliding Window Processing**

Conf. No.: **1361**

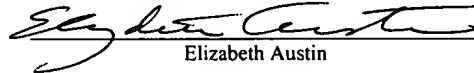
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

MAILING CERTIFICATE UNDER 37 C.F.R. § 1.8(A)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on

September 13, 2004

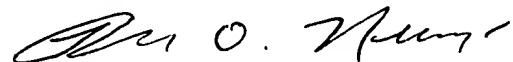

Elizabeth Austin

Dear Sir:

In response to the Search Report received from the European Patent Office (a copy of which is enclosed), Applicant wishes to bring to the attention of the U.S. Patents and Trademarks Office the information noted on the enclosed PTO-1449. Copies of the cited references are enclosed.

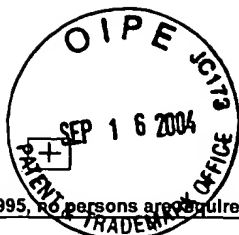
No fee is believed by Applicant to be due; however, the Commissioner is hereby authorized and requested to charge any necessary fee to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,



Ronald O. Neerings
Attorney for Applicants
Reg. No. 34,227

Texas Instruments Incorporated
P. O. Box 655474, MS 3999
Dallas, Texas 75265
(972) 917-5299



Please type a plus sign (+) inside this box ☐

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	09/772,499
				Filing Date	01/29/2001
				First Named Inventor	Alan Gatherer, et al.
				Group Art Unit	2634
				Examiner Name	TBD
Sheet	1	of	2	Attorney Docket No.	TI-30024

U.S. PATENT DOCUMENTS						
Exam. Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
	AO					

FOREIGN PATENT DOCUMENTS								
Exam. Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ² (if known)				
	BA							
	BB							
	BC							
	BD							
	BE							
	BF							
	BG							
	BH							
	BI							
	BJ							
	BK							
	BL							

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, VA 22313-1450.

Please type a plus sign (+) inside this box ☐



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	09/772,499
				Filing Date	01/29/2001
				First Named Inventor	Alan Gatherer, et al.
				Group Art Unit	2634
				Examiner Name	TBD
Sheet	2	of	2	Attorney Docket No.	TI-30024

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exam. Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	"Reconfigurable Signal Processor For Channel Coding and Decoding In Low SNR Wireless Communications", Halter, S., et al. Signal Processing Systems, 1998. SIPS 98. 1998 IEEE Workshop on Cambridge, MA, USA, 8-10 Oct. 1998, New York, NY, pp. 260-274, XP010303741, ISBN: 0-7803-4997-0	
	CB	"Soft-Output Decoding Algorithms In Iterative Decoding of Turbo Codes", Benedetto, S., et al., TDA Progress Report, February 1996, pp. 63-87, XP002932926	
	CC	"Fixed Point Implementation For Turbo Codes", Tri Ngo, Ingrid Verbauwhede, Article from the Internet, 'Online, 1999, XP002290784, Retrieved from the Internet: URL: www.ucop.edu/research/micro/98_99/98_161.pdf' retrieved on 2004-07-29	
	CD	"Optimal Decoding of Linear Codes for Minimizing Symbol Error Rate", Bahl, L.R., et al., March 1974, IEEE Transactions on Information theory, IEEE Inc. New York, US, pp. 284-287, XP000760833, ISSN: 0018-9448	
	CE		
	CF		
	CG		
	CH		
	CI		
	CJ		
	CK		
	CL		
	CM		
	CN		
	CO		
	CP		
	CQ		
	CR		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, VA 22313-1450.